

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 1. (currently amended) A transmission power control
2 method for controlling the power to transmit to the distant
3 party, comprising the steps of:
4 ~~a variable power amplifying step of respectively~~
5 controlling a digital-to-analog converter for generating
6 an analog baseband signal to be supplied input to a
7 modulator ~~and provided in the former stage of a~~
8 ~~modulator~~ for frequency-converting a transmission
9 signal to a signal in an IF band, and
10 controlling a plurality of variable power amplifiers for
11 variably amplifying the transmission signal
12 modulated by the modulator.

1 2. (currently amended) A transmission power control
2 method according to claim 1, wherein a control ratio of the
3 variable power amplifiers is modified and at least one of
4 series and parallel control in a control range is made in the
5 controlling a plurality of variable power amplifiers ~~variable~~
6 ~~power amplifying~~ step.

1 3. (original) A transmission power control method
2 according claim 2, further comprising:
3 a detection step of detecting a state of at least one of
4 a local station and a distant station; and
5 a modification step of modifying the control ratio
6 according to the detected state.

1 4. (currently amended) A transmission power control
2 method according to claim 3, wherein a plurality of ~~the~~ states
3 of at least one of the local station and the destination

4 station are detected in the detection step, and wherein the
5 control ratio is modified by using fuzzy control rules and
6 fuzzy inference that are based on the plurality of states in
7 the modification step.

1 5. (original) A transmission power control method
2 according to claim 3, wherein the control ratio according to
3 the state of at least one of the local station and the distant
4 station is adaptively modified in the modification step.

1 6. (original) A transmission power control method
2 according to claim 1, wherein a control sensitivity of each of
3 the plurality of variable power amplifiers differs from each
4 other.

1 7. (currently amended) A transmission power control
2 method for controlling ~~the~~ a power to transmit to ~~the~~ a
3 distant party, comprising the steps of:
4 ~~a voltage controller controlling step of controlling a~~
5 plurality of voltage controllers; and that
6 controlling, using said plurality of voltage controllers,
7 a power amplifier for amplifying a transmission
8 signal via separate bias systems.

1 8. (currently amended) A transmission power control
2 method according to claim 7, wherein a control ratio of the
3 voltage controllers are is modified and at least one of series
4 and parallel control in a control range is made in the voltage
5 controller controlling step.

1 9. (currently amended) A transmission power control
2 method according to claim 8, further comprising:
3 a detection step of detecting ~~the~~ a state of at least one
4 of a local station and a distant station; and

5 a modification step of modifying the control ratio
6 according to the detected state.

1 10. (currently amended) A transmission power control
2 method according to claim 9, wherein a plurality of the states
3 of at least one of the local station and the destination
4 station are detected in the detection step, and wherein the
5 control ratio is modified by using fuzzy control rules and
6 fuzzy inference that are based on the plurality of states in
7 the modification step.

1 11. (original) A transmission power control method
2 according to claim 9, wherein the control ratio according to
3 the state of at least one of a local station and a distant
4 station is adaptively modified in the modification step.

1 12. (original) A transmission power control method
2 according to claim 7, wherein a control sensitivity of each of
3 the plurality of variable power amplifiers differs from each
4 other.

1 13. (currently amended) A radio ~~Radio~~ communications
2 apparatus equipped with a transmission power control feature
3 for controlling ~~the~~ a transmission power to be transmitted to
4 a distant station, comprising:

5 a variable power amplification unit including:

6 a digital-to-analog converter for generating an
7 analog transmission signal,

8 a modulator for inputting said analog transmission
9 signal and frequency-converting the ~~the~~ [[a]]

10 transmission signal to a signal in an IF band,

11 ~~a digital-to-analog converter provided in the former~~
12 ~~stage of the modulator for generating an analog~~

13 ~~baseband signal to be transmitted to the~~
14 ~~modulator,~~ and
15 a plurality of variable power amplifiers for
16 variably amplifying the transmission signal
17 modulated by the modulator; and
18 a variable power amplification control unit for
19 controlling the variable power amplification unit.

1 14. (currently amended) Radio communications apparatus
2 according to claim 13, wherein the variable power
3 amplification control unit modifies a control ratio of the
4 variable power amplifiers and makes at least one of series and
5 parallel control in the control range.

1 15. (currently amended) Radio communications apparatus
2 according to claim 14, further comprising:
3 a state detection unit for detecting the a state of at
4 least one of a local station and a distant station,
5 wherein
6 the variable power amplification control unit modifies
7 the control ratio according to the detected state.

1 16. (currently amended) Radio communications apparatus
2 according to claim 15, wherein the variable power
3 amplification control unit modifies the control ratio based on
4 the fuzzy control rules and fuzzy inference.

1 17. (original) Radio communications apparatus according
2 to claim 15, wherein the variable power amplification control
3 unit adaptively modifies the control ratio according to the
4 state of at least one of a local station and a distant
5 station.

1 18. (original) Radio communications apparatus according

2 to claim 13, wherein a control sensitivity of each of the
3 plurality of variable power amplifiers differs from each
4 other.

1 19. (currently amended) A radio ~~Radio~~ communications
2 apparatus equipped with a transmission power control feature
3 for controlling ~~the~~ a transmission power to be transmitted to
4 ~~the~~ a distant station, comprising:
5 a power amplifier for amplifying a transmission signal;
6 a plurality of voltage controllers for controlling the
7 power amplifier via separate bias systems; and
8 a control unit for controlling the plurality of voltage
9 controllers ~~that controls said voltage control~~.

1 20. (original) Radio communications apparatus according
2 to claim 19, wherein the control unit for controlling voltage
3 controllers modifies a control ratio of the voltage
4 controllers and make at least one of series and parallel
5 control in the control range.

1 21. (original) Radio communications apparatus according
2 to claim 20, further comprising:
3 a detection unit for detecting a state of at least one of
4 a local station and a distant station wherein
5 the control unit for controlling voltage controllers
6 modifies the control ratio according to the detected
7 state.

1 22. (currently amended) Radio communications apparatus
2 according to claim 21, wherein the control unit for
3 controlling the voltage controllers modifies the control ratio
4 based on ~~the~~ fuzzy control rules and fuzzy inference.

1 23. (original) Radio communications apparatus according

2 to claim 21, wherein the control unit for controlling the
3 voltage controllers adaptively modifies the control ratio
4 according to the state of at least one of a local station and
5 a distant station.

1 24. (original) Radio communications apparatus according
2 to claim 19, wherein the control sensitivity of each of the
3 plurality of variable power amplifiers differs from each
4 other.